

**कार्यालय आदेश**

एन0एम0सी0 के नवीन क्यूरीकुलम के अनुसार एम0बी0बी0एस0 छात्र/छात्राओं को अन्तिम व्यवसायिक पार्ट-1 परीक्षा के पश्चात एवं अन्तिम व्यवसायिक पार्ट-2 का अध्ययन प्रारम्भ होने से पूर्व दो ब्लॉक में इलेक्टिव पोस्टिंग करनी अनिवार्य है। इलेक्टिव पोस्टिंग को ब्लॉक-1 (प्री व पैरा-क्लीनिकल विभाग) एवं ब्लॉक-2 (क्लीनिकल विभाग) में विभाजित किया गया है। उक्त के अनुसार सम्बन्धित विभागाध्यक्षों द्वारा इलेक्टिव का विवरण उपलब्ध कराया गया है। ब्लॉकवार/ विभागवार इलेक्टिव का विवरण संलग्न किया जा रहा है।

वर्तमान में एम0बी0बी0एस0 बैच-2019 के छात्र/छात्राओं हेतु दिनांक 01.04.2023 से 30.04.2023 तक इलेक्टिव पोस्टिंग जारी रहेगी। छात्र/छात्राएं संलग्न इलेक्टिव में से ब्लॉकवार एक-एक इलेक्टिव का चुनाव स्वेच्छा से करेंगे। प्रत्येक इलेक्टिव में छात्र/छात्राओं की संख्या सीमित है। इलेक्टिव के अध्ययन/अध्यापन हेतु निम्नलिखित निर्देशों का अनुपालन सुनिश्चित किया जायेगा-

1. छात्र/छात्राएं उक्तानुसार इलेक्टिव का चुनाव करते हुए इलेक्टिव हेतु नामित संकाय सदस्य को रिपोर्ट करेंगे तथा उनके अधीन रहते हुए अध्ययन पूर्ण करेंगे।
2. प्रत्येक इलेक्टिव हेतु प्रथम रिपोर्ट करने वाले छात्र/छात्राओं को संकाय सदस्य द्वारा इलेक्टिव हेतु निर्धारित छात्र/छात्राओं की संख्या तक अनुमति प्रदान की जायेगी। अन्य छात्र/छात्राओं को सम्बन्धित ब्लॉक में उपलब्ध अन्य इलेक्टिव का चुनाव करना होगा।
3. सम्बन्धित संकाय सदस्य द्वारा इलेक्टिव कार्यक्रम के सम्बन्ध में एन0एम0सी0 द्वारा निर्गत माड्यूल के अनुसार कार्यवाही की जायेगी। संकाय सदस्य द्वारा निर्धारित समयावधि में इलेक्टिव का कार्य पूर्ण कराया जायेगा। इलेक्टिव पोस्टिंग हेतु लागवुक एन0एम0सी0 की वेबसाईट पर उपलब्ध है।
4. इलेक्टिव पोस्टिंग में छात्र/छात्राओं की 75 प्रतिशत उपस्थिति होने पर ही छात्र/छात्राओं को अन्तिम व्यवसायिक पार्ट-2 परीक्षा हेतु पात्र घोषित किया जायेगा। अतः इलेक्टिव पोस्टिंग में समस्त छात्र/छात्राओं की उपस्थिति अनिवार्य है।
5. ऐसे छात्र/छात्राएं जिनके द्वारा इलेक्टिव की पोस्टिंग नहीं की जायेगी, उन्हें विश्वविद्यालय स्तरीय अन्तिम व्यवसायिक पार्ट-2 परीक्षा में सम्मिलित होने की अनुमति नहीं होगी।
6. छात्र/छात्राओं की क्लीनिकल पोस्टिंग निर्धारित कार्यक्रम के अनुसार पूर्ववत जारी रहेगी। परन्तु इलेक्टिव पोस्टिंग के दौरान कोई भी लेक्चर कक्षाएं सम्पन्न नहीं होंगी। छात्र/छात्राओं की लेक्चर कक्षाएं इलेक्टिव पोस्टिंग समाप्त होने अर्थात दिनांक 01.05.2023 से प्रारम्भ की जायेंगी। अतः क्लीनिकल पोस्टिंग के पश्चात छात्र/छात्राएं इलेक्टिव पोस्टिंग का अध्ययन पूर्ण करना सुनिश्चित करेंगे।
7. छात्र/छात्राओं को इलेक्टिव पोस्टिंग निम्नलिखित कार्यक्रम के अनुसार पूर्ण की जानी है-

छात्र/छात्राओं का विवरण	दिनांक 01.04.2023 से 15.04.2023 तक	दिनांक 16.04.2023 से 30.04.2023 तक
एम0बी0बी0एस0 बैच-2019 अनुक्रमांक 01 से 100 तक के छात्र/छात्राएं	Block-1 (Pre & Para-Clinical Dept.)	Block-2 (Clinical Departments)
एम0बी0बी0एस0 बैच-2019 अनुक्रमांक 101 से अन्त तक के छात्र/छात्राएं	Block-2 (Clinical Departments)	Block-1 (Pre & Para-Clinical Dept.)

इलेक्टिव पोस्टिंग पूर्ण करने वाले छात्र/छात्राओं का विवरण विभागाध्यक्ष द्वारा पोस्टिंग समाप्त होने के एक सप्ताह के अन्दर अधोहस्ताक्षरी को निम्नलिखित प्रारूप पर उपलब्ध कराया जायेगा-

Sl	Student_ID	Name of Student	Name of Elective	Dates of Elective Posting	% of Attendance in Elective

(डा0 रुषा शुक्ला)  
संकायाध्यक्ष चिकित्सा संकाय

**प्रतिलिपि-**

1. समस्त सम्बन्धित विभागाध्यक्ष को त्वरित आवश्यक कार्यवाही हेतु।
2. एम0बी0बी0एस0 बैच-2019 के छात्र/छात्राओं को अनुपालनार्थ।
3. प्रभारी, सी0ए0सी0 (आई0टी0) को इस आशय से प्रेषित है कि संलग्न विवरण को विश्वविद्यालय की वेबसाईट पर Student Cell लिंक में Elective Posting Schedule हेडिंग के अन्तर्गत अपलोड कराने का कष्ट करें।
4. वैयक्तिक सहायक को मा0 कुलपति महोदय के अवलोकनार्थ।

(डा0 रुषा शुक्ला)  
संकायाध्यक्ष चिकित्सा संकाय

**Uttar Pradesh University of Medical Sciences, Saifai, Etawah  
Faculty of Medicine**

**Elective Teaching**

Sl	Name of Deptt	Name of Preceptor	Name of Electives	Number of Students
<b>Block - 1</b>				
1	Anatomy	Dr. Rajani Singh	The Study of Morphology & Morphometry of supra trochlear foramen in bones available in department of Anatomy	5
		Dr. Jayant Verma	The Study of Nutrient foramen in Tibia bones available in department of Anatomy	5
2	Biochemistry	Dr. Pradeep Sharma	To assess the lab reports and methodology of special investigations	5
		Dr. Ajai Kumar	Quality control assurance in lab	5
		Dr. Kalbe Jawad	Principles and working of Biochemical and Molecular Techniques with special reference to DNA. Extraction & Isolation, PCR, RT-PCR, Electrophoresis, ELISA and HPLC based Hemoglobin A1c Analyzer	5
3	Pharmacology	Dr. Asha Pathak	Pharmacovigilance	5
		Dr. Vinay Kumar Gupta	Fixed drug combination (FDC)	5
4	Microbiology	Dr. D.P. Singh	Viral Hepatitis	5
		Dr. Amit Singh	Mycobacteriology	5
		Dr. R.K. Verma	Neonatal Sepsis	5
5	Forensic Medicine	Dr. Vednat Kulshrestha	Clinical based- Forensic Medicine and Toxicology	5
		Dr. Vednat Kulshrestha	Research based - Forensic Medicine and Toxicology	5
6	Community Medicine	Dr. Sandip Kumar	Biomedical Waste Management	10
		Dr. Sushil Kumar Shukla	Research Methodology	10
		Dr. Vidya Rani	Malnutrition	10
		Dr. Naresh Pal Singh	Student initiated research	5
		Dr. Rashmi Bhujade	Growth and Development of an Infant focusing mainly on 6 months - 1 year old child	10
		Dr. Anamika Chandra	Immunisation and Vaccination coverage	10

*Handwritten:* 24/3/2023

*Handwritten:* 24/3/23

**Dr. SANDIP KUMAR**  
O.P. Student Cell-Medical  
U.P. University of Medical  
Sciences, Saifai, Etawah

*Handwritten:* 24/03/2023  
Dean -  
Faculty of Medicine  
U.P. (2)



एनाटमी विभाग  
उ० प्र० आयुर्विज्ञान विश्वविद्यालय  
सैफई, इटावा (उ०प्र०)  
**Department of Anatomy**  
U. P. University of Medical Sciences  
Saifai, Etawah (U.P.)

Phone:(05688)276563,Fax:(05688)276509

**Elective Course of MBBS**

**Block-1**

Name of Elective	The Study of Morphology & Morphometry of supra trochlear foramen in bones available in department of Anatomy.
Location of hospital Lab or research facility	UPUMS, Saifai,
Name of Internal preceptor(s)	<ul style="list-style-type: none"><li>• Dr. Rajani Singh, Professor</li></ul>
Name of external preceptor(s)	
Learning objective of elective	<ul style="list-style-type: none"><li>• To know the shape size of supra trochlear foramen in humerus</li><li>• Probable structures passing through this foramen.</li><li>• Implications of supra trochlear foramen.</li></ul>
Number of students that can be accommodated in this elective	05
Prerequisites for elective	To know anatomy of humerus bone
Learning resources for students	Humerus bones available in the department of anatomy.
List of activities of student participation	<ul style="list-style-type: none"><li>• Observe presence of foramen.</li><li>• Measure the diameter of foramen</li><li>• Clinical implication though literature search.</li></ul>
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	Yes
Other comments	

*[Handwritten Signature]*  
17/12/23

**HEAD OF DEPARTMENT**  
Department of Anatomy  
U.P. University of Medical Sciences  
Saifai-Etawah



एनाटमी विभाग  
उ० प्र० आयुर्विज्ञान विश्वविद्यालय  
सैफई, इटावा (उ०प्र०)  
**Department of Anatomy**  
U. P. University of Medical Sciences  
Saifai, Etawah (U.P.)

Phone:(05688)276563,Fax:(05688)276509

**Elective Course of MBBS**

**Block-1**

Name of Elective	The Study of Nutrient foramen in Tibia bones available in department of Anatomy.
Location of hospital Lab or research facility	UPUMS, Saifai,
Name of Internal preceptor(s)	Dr. Jayant Kumar Verma, Professor
Name of external preceptor(s)	
Learning objective of elective	<ul style="list-style-type: none"><li>• To know the presence of nutrient foramen in Tibia bone.</li><li>• Clinical significance of nutrient foramen in Tibia.</li><li>• Compare the normal &amp; variant number of nutrient foramen in Tibia.</li></ul>
Number of students that can be accommodated in this elective	05
Prerequisites for elective	Knowledge of Anatomy of Tibia bone and variation of foramen.
Learning resources for students	Tibia bones in department of Anatomy.
List of activities of student participation	<ul style="list-style-type: none"><li>• To know the presence and location of nutrient foramen in Tibia.</li><li>• Literature search.</li></ul>
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	Yes
Other comments	

  
**HEAD OF DEPARTMENT**  
Department of Anatomy  
U.P. University of Medical Sciences  
Saifai-Etawah

**Elective Course of MBBS**  
**Block – 1**  
**Department of Biochemistry.**

Laboratory reports are the one of the most important part of patient care which is required at every stage from diagnosis making to the follow up of the patients.

As being Biochemist, we would like the students to know the prime importance to run the test and access the reports with precision and accuracy. As reporting covers a group related procedures with clean set of goals.

1	Name of Block	Block -1
2	Name of Elective	To assess the lab reports and methodology of special investigations.
3	Location of hospital Lab or research facility	Departmental Biochemistry lab
4	Name of internal preceptor(s)	Dr. Pradeep Sharma
5	Name of external preceptor (if applicable)	-
6	Learning objectives of elective	At the end of four weeks student should be able to 1) Learn about the components of the ideal Biochemistry laboratory report and verify them. 2) To identify the errors in the report and correct them. 3) To correlate the results with clinical condition by visiting the patient bedside. 4) To be able to make diagnosis on the basis of the reports and clinical findings. 5) To observe and will be able to communicate about the queries related to the reports.
7	Number of students that can be accommodated in this elective	05
8	Prerequisites for elective	Good laboratory practices and universal precautions
9	List of activities of student participation	1) Work regularly in biochemistry lab and assist in reporting the results. 2) Visit the ward and correlate the results with patients findings. 3) Validate the 5 biochemistry report daily. 4) Participate in the lectures related to biochemical and molecular techniques to be followed for the tests.
10	Learning resources for students	1) Clinical biochemistry and metabolic medicine 2) Clinical Biochemistry by Murphy and Alan Gaw
11	Portfolio entries required	1) Documentation of lectures attended. 2) Documentation of the interpretation of results by the students.
12	Log book entry required	Completion of the posting signed by preceptor with a "meets expectation(M) grade"

*Secured*

13	Assessment	<ul style="list-style-type: none"><li>• Formative – attendance</li><li>• Day to day participation in departmental activity.</li><li>• Performance of assigned tasks.</li><li>• Group discussions.</li><li>• Log book entry</li></ul>
14	Other comments	

*Scanned*

**Elective Course of MBBS**  
**Block - 1**  
**Department of Biochemistry.**

Quality control is one of the components of quality assurance program. In clinical Biochemistry, it refers to maintenance of quality of laboratory test during analysis, whereas assurance is to allow for the identification of errors and control actions to correct them. As it ensures both precision and accuracy of result. The integrity of quality control samples is important to both management of overall quality as well as meeting requirements of proficiency testing.

We would like to encourage students in quality control which involves ensuring that testing meets standards for safety and efficacy. It is very important part of the management, if quality of the results is good then it helps in proper management of the patients too.

1	Name of Block	Block -1
2	Name of Elective	Quality control assurance in lab
3	Location of hospital Lab or research facility	Central Biochemistry lab
4	Name of internal preceptor(s)	Dr. Ajai Kumar
5	Name of external preceptor (if applicable)	-
6	Learning objectives of elective	At the end of four weeks' student should be able to 1) To monitor laboratory output and performance. 2) Ensure the quality of reagents, sufficient supplies, and maintenance of equipment. 3) To learn how to develop standard operating procedures (SOP). 4) To observe how to run controls and standards on various autoanalysers available in lab. 5) Maintain the appropriate records and establish a document control system.
7	Number of students that can be accommodated in this elective	05
8	Prerequisites for elective	Good laboratory practices
9	List of activities of student participation	1) Work with technicians and observe how to run the controls and how to deal with errors if any observed. 2) Work with observe/technician to observe that each and every equipment or analyzers used in lab are working properly. 3) To ensure the proper turnaround time (TAT) of sample processing is being maintained in lab.
10	Learning resources for students	1) Practical Biochemistry textbook DM Vasudevan. 2) TEITZ Textbook of clinical Biochemistry
11	Portfolio entries required	Notes prepared during the posting.



12	Log book entry required	Satisfactory completion of the of posting
13	Assessment	<ul style="list-style-type: none"><li>• Attendance</li><li>• Log book entry</li><li>• Group discussions.</li></ul>
14	Other comments	

*[Handwritten signature]*



## Elective Course of MBBS

### Block – 1

#### Department of Biochemistry

This elective subject in Biochemistry will provide an opportunity to the students to gain laboratory research experience and will help them to develop new interest and abilities to learn about principle of research techniques and working of the equipments. Students will learn about the advance techniques, such as DNA extraction & Isolation, PCR, RT-PCR, Electrophoresis, ELISA and HPLC based hemoglobin A1c analyzer and their application in the medical sciences and that will enable them to relate these techniques and their uses in their future studies. The students will be able to understand how to isolate DNA, Use of PCR machine and how conventional PCR is different from RT PCR, principles and working of the techniques of Electrophoresis, ELISA and Ion exchanges HPLC based Hemoglobin analyzer (BioRad D-10 machine).

1	Name of Block	Block 1
2	Name of Elective	Principles and working of Biochemical and Molecular Techniques with special reference to DNA. Extraction & Isolation, PCR ,RT-PCR, Electrophoresis, ELISA and HPLC based Hemoglobin A1c Analyzer
3	Location of Hospital Lab or research facility	Research Lab, Department of Biochemistry, UPUMS, Saifai, Etawah (U.P.)
4	Name of Internal Preceptor(S)	Dr. Kalbe Jawad
5	Name of the external preceptor	Not Applicable
6	Learning objectives of elective	At the end of four week the student will be able to understand: <ol style="list-style-type: none"><li>1. Collection of blood samples for different biochemistry &amp; genetic tests.</li><li>2. Sample preparation for DNA isolation PCR and RT-PCR.</li><li>3. Principle, working and result interpretation of DNA isolation, PCR and RT-PCR techniques.</li><li>4. Principle and working of electrophoresis.</li><li>5. Principle and working of ELISA machine and interpretation of result.</li><li>6. Principle and working of HPLC based hemoglobin Analyzer and interpretation of results.</li></ol>
7	Numbers of Students that can be accommodated in this elective	05

*Kalbe Jawad*

8	Prerequisites for elective	Related Equipments and related requirements.
9	List of activities of student participation	
9.1	Week -1	1. Attend lecture on blood collection and hands on training under the supervision of trained person.
9.2	Week-2	2. Attend Lectures related to Biochemical and Molecular techniques covered in objectives and Demonstration of sample preparation.
9.3	Week-3	3. Demonstration of the techniques of DNA isolation from blood sample, PCR, RT-PCR and interpretation of result.
9.4	Week -4	4. Demonstration of the technique of Electrophoresis and interpretation of result.
10	Learning Resources	<ul style="list-style-type: none"> <li>- Literature related to biochemical and molecular techniques will be provided.</li> <li>- Principle and techniques of Biochemistry and Molecular Biology, edited by Wilson and Walker</li> </ul>
11	Portfolio entries required	<ol style="list-style-type: none"> <li>1. Documentation of Lectures attended</li> <li>2. Documentation of interpretation of results and feedback received by the students.</li> </ol>
12	Logbook entry required	Completion of posting signed by preceptor with meets expectation (M) grade.
13	Assessment	<ul style="list-style-type: none"> <li>- Formative.</li> <li>- Day to day participation in departmental activity.</li> <li>- Performance of assigned tasks.</li> <li>- Group Discussion/Seminar.</li> <li>- Logbook entry</li> </ul>
14	Other Comments	

*[Handwritten Signature]*

# Template for planning learning experiences in electives

**BLOCK-1**

Name of Elective	Pharmacovigilance <u>PHARMACOLOGY</u>
Name of internal preceptor (s)	Dr. Asha Pathak Dr. Ashutosh Vishnoi
Learning objectives of the elective	<ul style="list-style-type: none"> <li>• Have knowledge of Pharmacovigilance, Haemovigilance and Materiovigilance programme of India</li> <li>• To identify and report real Adverse Drug Reaction in clinical care setup through patient records</li> <li>• Be able to collect ADRs and fill ADR reporting forms from different patients by visiting different wards of hospital</li> <li>• To perform causality analysis of the reported adverse drug reaction by WHO causality assessment scale</li> <li>• To be able to upload the ADR in Vigiflow Software</li> </ul>
Number of students that can be accommodated in this elective	5
Prerequisites for the elective	Familiarity with components of ADR form, Microsoft excel
List of activities in which the student will participate (Time plan)	1-3 weeks: Identify and report real Adverse Drug Reaction in Suspected ADR form (minimum one ADR per day) 4 <sup>th</sup> week: Causality analysis of the ADR, ADR analysis and Uploading ADR in Vigiflow, Presentation and submission
Place	Wards from different departments
Log book entry required	Yes required Students should report to PSG AMC daily
Portfolio entries required	Yes, Students should reflect the daily activities in their portfolio
Assessment	Final power point presentation and discussion
Attendance	75% attendance

*Murug*

# BLOCK-1

## Template for planning learning experiences in electives

PHARMACOLOGY

Name of Elective	Fixed drug combination (FDC)
Name if internal preceptor (s)	Dr. Vinay Kumar Gupta Dr. Swati Rai
Learning objectives of the elective	1. To identify FDCs in a prescription of General Medicine-General ward 2. To justify the rationality of FDC combination and Analyze indications for use of FDCs
Number of students that can be accommodated in this elective	5
Prerequisites for the elective	Familiarity with Microsoft excel
List of activities in which the student will participate (Time plan)	1-2 weeks: Data collection (minimum 3 per day) 3 <sup>rd</sup> -4 <sup>th</sup> week: Analysis, Presentation and submission
Place	Pharmacology Department, General Medicine, General Ward
Log book entry required	Yes required Students should report to Pharmacology Department daily
Portfolio entries required	Yes, Students should reflect the daily activities in their portfolio
Assessment	Final power point presentation and discussion
Attendance	75% attendance

Handwritten signature

## Department of Microbiology

**Description of the elective:** To control or eliminate infectious diseases of public health importance, the Government of India runs several national programs such as the Hepatitis Control Program, the National Tuberculosis Elimination Program, National HIV Control Program, etc. This elective aims at providing a holistic approach of functioning of such national programs to the undergraduate students. The learner will experience how development of the cognitive, psychomotor and affective domains is essential for working in especially sensitive areas like viral Hepatitis. This elective will highlight the importance of inter-disciplinary coordination for diagnosis of infectious diseases including good sampling techniques, the laboratory component and appropriate correlation of laboratory results with the clinical scenario. This will also give an idea to the learners of how a Microbiology laboratory functions following good laboratory practices, the various techniques that are used in diagnosis of infectious diseases and the different platforms through which reports can be dispatched or accessed. The learners may also develop interest in Virology to opt as a future career option.

1	Name of Block	Block 1
2	Name of Elective	Viral Hepatitis
3	Location of hospital Lab or research facility	Hospital Laboratory, Department of Microbiology, UPUMS
4	Name of internal preceptor(s)	Dr.D.P. Singh
5	Name of external preceptor	NA
6	Learning objectives of elective	<p>By the end of the elective the student will be able to:</p> <ol style="list-style-type: none"> <li>1. Describe the process of pre-test and post-test counseling in different risk groups</li> <li>2. Discuss ethical principles in patient interaction, especially confidentiality and consent</li> <li>3. To obtain experience in the laboratory diagnosis of viral hepatitis.</li> <li>4. Demonstrate the steps of collection, transportation and storage of different types of samples</li> <li>5. Perform and interpret microbiological tests for Hepatitis diagnosis</li> <li>6. Correlate laboratory and clinical findings</li> </ol>


b


**Dr. D.P. SINGH**  
 Professor (Jr. Grade)  
 Microbiology Department  
 UPUMS, Saifai

2

**Dr. R.K. Verma**  
 Prof & Head  
 Dept. of Microbiology  
 UPUMS, Saifai


7	Number of students that can be accommodated in this elective	5
8	Prerequisites for elective	<ul style="list-style-type: none"> <li>• Knowledge of universal precautions, good laboratory practices</li> <li>• Knowledge of theory of Hepatitis and basics of Microbiological tests for viral hepatitis</li> </ul>
9	List of activities of student participation	<p>Week 1:</p> <ul style="list-style-type: none"> <li>• Orientation to laboratories of Microbiology department</li> <li>• Interactive sessions to deliver layout of elective postings and basics of viral hepatitis, universal and special precautions</li> <li>• Demonstration of sample collection of different types</li> <li>• Formative assessment and reflection writing</li> </ul> <p>Week 2:</p> <ul style="list-style-type: none"> <li>• Visit to sample collection sites and hepatitis treatment center within UPUMS</li> <li>• Observe counseling of patients before sample collection</li> <li>• Observe consent taking and measures taken to maintain patient confidentiality</li> <li>• Observe requirement of sample transportation</li> <li>• Formative assessment and reflection writing</li> <li>• Seminar</li> </ul> <p>Week 3:</p> <ul style="list-style-type: none"> <li>• Observe various methods of sample testing including ELISA, RT-PCR, viral load assays and genotyping</li> <li>• Understand the principles, techniques and quality control of these methods</li> <li>• Perform tests under supervision</li> <li>• Formative assessment and</li> </ul>
9.1	Week-1	
9.2	Week-2	
9.3	Week-3	
9.4	Week-4	

  
**Dr. D.P. SINGH**  
 Professor (Jr. Grade)  
 Microbiology Department  
 UPUMS, Saifai

  
**Dr. M.K. Verma**  
 Prof & Head  
 Dept. of Microbiology  
 UPUMS, Saifai

		<p>performance test</p> <ul style="list-style-type: none"> <li>• Seminar</li> </ul> <p>Week 4:</p> <ul style="list-style-type: none"> <li>• Reading and interpretation of test results</li> <li>• Dispatch of results</li> <li>• Write up the laboratory work up of two patients with viral hepatitis</li> <li>• Present atleast two cases in departmental academic forum</li> <li>• Final assessment of all objectives and logbook enteries.</li> </ul>
10	Learning Resources	<ul style="list-style-type: none"> <li>• Laboratory SOPs</li> <li>• National viral hepatitis control program, MoHFW, GoI (2018 or later version)</li> <li>• National guidelines for Diagnosis and management of viral Hepatitis (2019 or later version)</li> <li>• Textbooks of Microbiology available at the Departmental library</li> </ul>
11	Portfolio entries required	<ul style="list-style-type: none"> <li>• Lab notes and workbook entries</li> <li>• Presentations done</li> </ul>
12	Log book entry required	<ul style="list-style-type: none"> <li>• Satisfactory completion of posting authentication by preceptor</li> </ul>
13	Assessment	<ul style="list-style-type: none"> <li>• Attendance</li> <li>• Successful verification of required portfolio entries</li> <li>• Successful completion of the posting as certified in the logbook with a "meets expectation"</li> </ul>
14	Other comments	

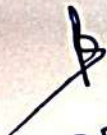
  
**Dr. D.P. SINGH**  
 Professor (Jr. Grade)  
 Microbiology Department  
 UPJMS, Saifai


  
**Dr. R.K. Verma**  
 Prof & Head  
 Dept. of Microbiology  
 UPJMS, Saifai

## Department of Microbiology

**Description of the elective:** To control or eliminate infectious diseases of public health importance, the Government of India runs several national programs such as the National Tuberculosis Elimination Program, National HIV Control Program, Hepatitis Control Program etc. This elective aims at providing a holistic approach of functioning of such national programs to the undergraduate students. The learner will experience how development of the cognitive, psychomotor and affective domains is essential for working in especially sensitive areas like Tuberculosis. Training of doctors in the field of TB is need of the hour looking at the target of TB elimination of the WHO by 2030 and of India by 2025. This elective will highlight the importance of inter-disciplinary coordination for diagnosis of infectious diseases including good sampling techniques, the laboratory component and appropriate correlation of laboratory results with the clinical scenario. This will also give an idea to the learners of how a Microbiology laboratory functions following good laboratory practices, the various techniques that are used in diagnosis of infectious diseases and the different platforms through which reports can be dispatched or accessed. The learners may also develop interest in TB to opt as a future career option.

1	Name of Block	Block 1
2	Name of Elective	Mycobacteriology
3	Location of hospital Lab or research facility	Hospital Laboratory, Department of Microbiology, UPUMS
4	Name of internal preceptor(s)	Dr. Amit Singh
5	Name of external preceptor	NA
6	Learning objectives of elective	<p>By the end of the elective the student will be able to:</p> <ol style="list-style-type: none"> <li>1. Describe the process of pre-test and post-test counseling in different risk groups.</li> <li>2. Discuss ethical principles in patient interaction, especially confidentiality and consent.</li> <li>3. Demonstrate the processes for linkages for care and support under the NTEP program.</li> <li>4. Demonstrate the steps of collection, transportation and storage of different types of samples.</li> <li>5. Perform and interpret microbiological tests for TB diagnosis.</li> <li>6. Correlate laboratory and clinical findings</li> </ol>

  
**Dr. D.P. SINGH**  
 Professor (Jr. Grade)  
 Microbiology Department  
 UPUMS, Saifai

  
**Dr. R.K. Verma**  
 Prof & Head  
 Dept. of Microbiology  
 UPUMS, Saifai





7	Number of students that can be accommodated in this elective	5
8	Prerequisites for elective	<ul style="list-style-type: none"> <li>• Knowledge of universal precautions</li> <li>• Knowledge of theory of Mycobacteriology and basics of Microbiological tests for TB diagnosis</li> </ul>
9 9.1 9.2 9.3 9.4	List of activities of student participation Week-1 Week-2 Week-3 Week-4	<p>Week 1:</p> <ul style="list-style-type: none"> <li>• Orientation to laboratories of Microbiology department</li> <li>• Interactive sessions to deliver layout of elective postings and basics of Mycobacteriology, universal and special precautions</li> <li>• Demonstration of sample collection of different types</li> <li>• Formative assessment and reflection writing</li> </ul> <p>Week 2:</p> <ul style="list-style-type: none"> <li>• Visit to sample collection sites and DOTS center within UPUMS.</li> <li>• Observe counseling of patients before sample collection.</li> <li>• Observe consent taking and measures taken to maintain patient confidentiality.</li> <li>• Observe requirement of sample transportation</li> <li>• Formative assessment and reflection writing</li> <li>• Seminar</li> </ul> <p>Week 3:</p> <ul style="list-style-type: none"> <li>• Observe various methods of sample testing including microscopy, automated culture (MGIT), DST, NAAT, Line probe assays for diagnosis of <i>M. tuberculosis</i>.</li> <li>• Understand the principles, techniques and quality control of these methods</li> <li>• Perform tests under supervision</li> <li>• Formative assessment and</li> </ul>

Dr. D.P. SINGH  
Professor (Jr. Grade)  
Microbiology Department  
UPUMS, Saifai


Dr. R.K. Verma  
Prof & Head  
Dept. of Microbiolog.  
UPUMS, Saifai


		<p>performance test</p> <ul style="list-style-type: none"> <li>• Seminar</li> </ul> <p>Week 4:</p> <ul style="list-style-type: none"> <li>• Reading and interpretation of test results</li> <li>• Dispatch of results</li> <li>• Student presentation of interesting cases</li> <li>• Final assessment of all objectives and logbook entries</li> </ul>
10	Learning Resources	<ul style="list-style-type: none"> <li>• Laboratory SOPs</li> <li>• Guidelines for Programmatic Management of Drug resistant Tuberculosis in India, MoHFW, GoI (2021 or later version)</li> <li>• Mycobacteriology Laboratory Manual, Global laboratory Initiative, STOP TB Partnership (2014 or later version)</li> <li>• Textbooks of Microbiology available at the Departmental library</li> </ul>
11	Portfolio entries required	<ul style="list-style-type: none"> <li>• Lab notes and workbook entries</li> <li>• Presentations done</li> </ul>
12	Log book entry required	<ul style="list-style-type: none"> <li>• Satisfactory completion of posting authentication by preceptor</li> </ul>
13	Assessment	<ul style="list-style-type: none"> <li>• Attendance</li> <li>• Successful verification of required portfolio entries</li> <li>• Successful completion of the posting as certified in the logbook with a "meets expectation"</li> </ul>
14	Other comments	

  
**Dr. D.P. SINGH**  
 Professor (Jr Grade)  
 Microbiology Department  
 UPMS, Saifai

  
**Dr. R.K. Verma**  
 Prof & Head  
 Dept. of Microbiology  
 UPMS, Saifai

Week	Activities
Week-1 Day-1  Day-2  Day-3  Day-4  Day-5	Day-1: Orientation to laboratories of Microbiology department Day-2 and 3: Interactive sessions to deliver layout of elective postings and basics of Mycobacteriology, universal and special precautions Day-4 and 5: Demonstration of sample collection of different types, Participating in daily lab reporting activities and discussing interesting clinical cases Day-6: Formative assessment and reflection writing
Week-2	<ul style="list-style-type: none"> <li>• Visit to sample collection sites and DOTS center within UPUMS</li> <li>• Observe counseling of patients before sample collection</li> <li>• Observe consent taking and measures taken to maintain patient confidentiality</li> <li>• Observe requirements of sample transportation and storage within the laboratory</li> <li>• Seminar presentation</li> <li>• Formative assessment and reflection writing</li> </ul>
Week-3	<ul style="list-style-type: none"> <li>• Observe various methods of sample testing including automated culture, DST, NAAT, Line probe assays for diagnosis of M. tuberculosis</li> <li>• Understand the principles, techniques and quality control of these methods</li> <li>• Perform tests under supervision</li> <li>• Seminar presentation</li> <li>• Formative assessment and performance test</li> </ul>
Week 4	<ul style="list-style-type: none"> <li>• Demonstrating reading and interpretation of test results</li> <li>• Demonstrating dispatch of results</li> <li>• Student presentation of interesting cases</li> <li>• Final assessment of all objectives and logbook entries.</li> </ul>


  
**Dr. D.P. SINGH**  
 Professor (Jr. Grade)  
 Microbiology Department  
 UPUMS, Saifai


  
**Dr. R.K. Verma**  
 Prof & Head  
 Dept. of Microbiology  
 UPUMS, Saifai

## Department of Microbiology

**Description of the elective:** To control or eliminate infectious diseases of public health importance, the Government of India runs several national programs such as the Hepatitis Control Program, the National Tuberculosis Elimination Program, National HIV Control Program, etc. This elective aims at providing a holistic approach of functioning of such national programs to the undergraduate students. The learner will experience how development of the cognitive, psychomotor and affective domains is essential for working in especially sensitive areas like Neonatal sepsis. This elective will highlight the importance of inter-disciplinary coordination for diagnosis of infectious diseases including good sampling techniques, the laboratory component and appropriate correlation of laboratory results with the clinical scenario. This will also give an idea to the learners of how a Microbiology laboratory functions following good laboratory practices, the various techniques that are used in diagnosis of infectious diseases and the different platforms through which reports can be dispatched or accessed. The learners may also develop interest in bacteriology to opt as a future career option.


1	Name of Block	Block 1
2	Name of Elective	Neonatal Sepsis
3	Location of hospital Lab or research facility	Hospital Laboratory, Department of Microbiology, UPUMS
4	Name of internal preceptor(s)	Dr. R.K. Verma
5	Name of external preceptor	NA
6	Learning objectives of elective	By the end of the elective the student will be able to: 1. Describe the process of pre-test and post-test counseling in different risk groups 2. Discuss ethical principles in patient interaction, especially confidentiality and consent 3. To obtain experience in the laboratory diagnosis of Neonatal sepsis. 4. Demonstrate the steps of collection, transportation and storage of different types of samples 5. Perform and interpret microbiological tests for neonatal sepsis diagnosis 6. Correlate laboratory and clinical findings
7	Number of students that can be accommodated in this elective	5

  
**Dr. D.P. Singh**  
 Professor  
 Microbiology Department  
 UPUMS, Saifai

  
**Dr. R.K. Verma**  
 Prof & Head  
 Dept. of Microbiology  
 UPUMS, Saifai


8	Prerequisites for elective	<ul style="list-style-type: none"> <li>• Knowledge of universal precautions, good laboratory practices</li> <li>• Knowledge of theory of neonatal sepsis and basics of Microbiological tests for neonatal sepsis</li> </ul>
9 9.1 9.2 9.3 9.4	List of activities of student participation Week-1  Week-2  Week-3  Week-4	<p>Week 1:</p> <ul style="list-style-type: none"> <li>• Orientation to laboratories of Microbiology department</li> <li>• Interactive sessions to deliver layout of elective postings and basics of neonatal sepsis, universal and special precautions</li> <li>• Demonstration of sample collection of different types</li> <li>• Formative assessment and reflection writing</li> </ul> <p>Week 2:</p> <ul style="list-style-type: none"> <li>• Visit to sample collection sites and treatment center (Paediatric department) within UPUMS</li> <li>• Observe counseling of patients (patient's parents) before sample collection</li> <li>• Observe consent taking (from parents) and measures taken to maintain patient confidentiality</li> <li>• Observe requirement of sample transportation</li> <li>• Formative assessment and reflection writing</li> <li>• Seminar</li> </ul> <p>Week 3:</p> <ul style="list-style-type: none"> <li>• Observe various methods of sample testing including Blood Culture, BACTEC culture, Gram staining, culture and sensitivity.</li> <li>• Understand the principles, techniques and quality control of these methods</li> </ul>

  
**Dr. D.P. SINGH**  
 Professor (Jr. Grade)  
 Microbiology Department  
 UPUMS, Saifal

  
**Dr. R.K. Verma**  
 Prof & Head  
 Dept. of Microbiology  
 UPUMS, Saifal

		<ul style="list-style-type: none"> <li>• Perform tests under supervision</li> <li>• Formative assessment and performance test</li> <li>• Seminar</li> </ul> <p>Week 4:</p> <ul style="list-style-type: none"> <li>• Reading and interpretation of test results</li> <li>• Dispatch of results</li> <li>• Write up the laboratory work up of two patients with neonatal sepsis</li> <li>• Present atleast two cases in departmental academic forum</li> <li>• Final assessment of all objectives and logbook entries.</li> </ul>
10	Learning Resources	<ul style="list-style-type: none"> <li>• Laboratory SOPs</li> <li>• National guidelines for Diagnosis and management of neonatal sepsis (2022 or later version)</li> <li>• Textbooks of Microbiology available at the Departmental library</li> </ul>
11	Portfolio entries required	<ul style="list-style-type: none"> <li>• Lab notes and workbook entries</li> <li>• Presentations done</li> </ul>
12	Log book entry required	<ul style="list-style-type: none"> <li>• Satisfactory completion of posting authentication by preceptor</li> </ul>
13	Assessment	<ul style="list-style-type: none"> <li>• Attendance</li> <li>• Successful verification of required portfolio entries</li> <li>• Successful completion of the posting as certified in the logbook with a "meets expectation"</li> </ul>
14	Other comments	

  
**Dr. D.P. SINGH**  
 Professor (Jr. Grade)  
 Microbiology Department  
 UPUMS, Saifai

  
**Dr. R.K. Verma**  
 Prof & Head  
 Dept. of Microbiology  
 UPUMS, Saifai

~~XXXXXXXXXX~~

**Uttar Pradesh University of Medical Sciences, Saifai, Etawah**

**Elective Course of MBBS (Block – 1)**

**Department of Forensic Medicine & Toxicology**

<b>Name of Block</b>	Block 1
<b>Name of Elective</b>	Clinical based - Forensic Medicine and Toxicology
<b>Location of hospital Lab or research facility</b>	Medical College & Hospital, UPUMS, Saifai, Etawah
<b>Name of internal preceptor(s)</b>	Dr Vedant Kulshrestha (Assistant Professor & HOD)
<b>Name of external preceptor (if applicable)</b>	N/A
<b>Learning objectives of elective</b>	<ol style="list-style-type: none"><li>1. To examine and prepare a medico-legal report of an injured person.</li><li>2. To take history and perform examination in cases of poisoning admitted in the casualty/wards.</li><li>3. To perform age determination of a subject for medico-legal purposes.</li><li>4. To observe the examination of sexual assault victim &amp; accused along with process of sample collection &amp; preservation.</li></ol>
<b>Number of students that can be accommodated in this elective</b>	* 5
<b>Prerequisites for elective</b>	Good clinical practice, good laboratory practice.
<b>Learning resources for students</b>	<ol style="list-style-type: none"><li>1. Modi's – A Textbook of Medical Jurisprudence and Toxicology.</li><li>2. Parikh's Textbook of Medical Jurisprudence, Forensic Medicine and Toxicology.</li><li>3. K.S.N. Reddy – The essentials of Forensic Medicine and Toxicology.</li><li>4. Departmental Log Book and Manual for clinical work.</li></ol>
<b>List of activities of student participation</b>	<ol style="list-style-type: none"><li>1. Work with Supervisor in noting medico-legal report writing.</li><li>2. Identify and differentiate various types of injuries.</li></ol>

Vedant

	<ol style="list-style-type: none"><li>3. To be able to determine age with X-ray.</li><li>4. To be able to understand the process of sample collection in sexual assault &amp; poisoning cases.</li></ol>
<b>Portfolio entries required</b>	<ol style="list-style-type: none"><li>1. Documentation of worked up cases.</li><li>2. Documentation of presentation done.</li></ol>
<b>Log book entry required</b>	Completion of posting signed by preceptor with a "meets expectation '(M)' grade"
<b>Assessment</b>	Attendance. Successful completion of learning objectives & log book entry.
<b>Other comments</b>	

*Vedant*  
23/02/2023  
Dr. Vedant Kulsrestha  
Assistant Professor & Head  
Dept of Forensic Medicine & Toxicology  
U.S. J.S. Saha



  
**Uttar Pradesh University of Medical Sciences, Saifai, Etawah**

**Elective Course of MBBS (Block – 1)**

**Department of Forensic Medicine & Toxicology**

<b>Name of Block</b>	Block 1
<b>Name of Elective</b>	Research based - Forensic Medicine and Toxicology
<b>Location of hospital Lab or research facility</b>	Medical College & Hospital, UPUMS, Saifai, Etawah
<b>Name of internal preceptor(s)</b>	Dr Vedant Kulshrestha (Assistant Professor & HOD)
<b>Name of external preceptor (if applicable)</b>	N/A
<b>Learning objectives of elective</b>	<ol style="list-style-type: none"><li>1. Work with supervisor in making observations, collect data and document as per protocol.</li><li>2. To understand how to make abstract of a research, present it in paper or poster form.</li></ol>
<b>Number of students that can be accommodated in this elective</b>	5
<b>Prerequisites for elective</b>	Good clinical practice, good laboratory practice
<b>Learning resources for students</b>	<ol style="list-style-type: none"><li>1. Modi's – A Textbook of Medical Jurisprudence and Toxicology.</li><li>2. Parikh's Textbook of Medical Jurisprudence, Forensic Medicine and Toxicology.</li><li>3. K.S.N. Reddy – The essentials of Forensic Medicine and Toxicology.</li><li>4. Departmental Log Book and Manual for clinical work</li></ol>
<b>List of activities of student participation</b>	<ol style="list-style-type: none"><li>1. Participate in research meetings of the department, internal and external meeting.</li><li>2. Write abstract of work done.</li><li>3. Present abstract in an internal meeting and if possible, at an external meeting as a poster or oral presentation.</li></ol>

*Vedant*

<b>Portfolio entries required</b>	Laboratory notes Statistical work sheet Abstract created
<b>Log book entry required</b>	Completion of posting signed by preceptor with a "meets expectation '(M)' grade"
<b>Assessment</b>	Attendance Successful completion of research objectives and log book entry
<b>Other comments</b>	

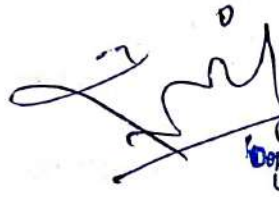
*Vedant*  
23/02/2023

*Dr. Vedant Kulshrestha*  
Assistant Professor & Head  
Dept. of Forensic Medicine & Toxicology  
U.P.U.M.S. Saifai

**DEPARTMENT OF COMMUNITY MEDICINE**  
**UP UNIVERSITY OF MEDICAL SCIENCES SAIFAI ETAWAH**  
**Elective 2: Biomedical Waste Management**

1.	<b>Name of Block</b>	Block 1
2.	<b>Name of Elective</b>	Biomedical Waste Management
3.	<b>Location of research facility</b>	Department of Community Medicine, UPUMS Saifai Etawah
4.	<b>Name of internal preceptor(s)</b>	Prof.(Dr) Sandip Kumar
5.	<b>Name of external preceptor</b>	-
6.	<b>Learning objectives of elective</b>	<ol style="list-style-type: none"> <li>1. Define Healthcare Associated Infections (HAI)</li> <li>2. Discuss the factors that contribute to the development of HAI and the methods for prevention</li> <li>3. Describe the basics of Infection control</li> <li>4. To observe segregation of BMW according to BMW guidelines</li> <li>5. To assist in monitoring of transport and storage of BMW</li> <li>6. Documentation and record maintenance</li> </ol>
7.	<b>Number of students that can be accommodated in this elective</b>	10
8.	<b>Prerequisites for elective</b>	Necessary immunizations, Universal precaution to be taken
9.	<b>List of activities of student participation</b>	
	<b>Week 1-4</b>	<ol style="list-style-type: none"> <li>1. Work daily with a supervisor in observing, assisting and defining Healthcare Associated Infections</li> <li>2. To observe and assist in segregation of BMW according to BMW guidelines</li> <li>3. To assist in monitoring of transport and storage of BMW according to BMW guidelines</li> <li>4. Participate in education activities of Infection control measures</li> </ol>
10.	<b>Learning Resources</b>	Textbook of Community Medicine

11.	<b>Portfolio entries required</b>	Daily log of activities participated
12.	<b>Log book entry required</b>	Satisfactory completion signed by institutional preceptor
13.	<b>Assessment</b>	Attendance Successful verification of required portfolio entries and completion of the posting as certified in the log book
14.	<b>Other comments</b>	-

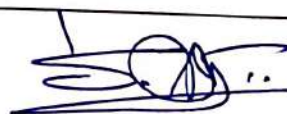
  
Dr. Sandip Kumar  
Prof. & Head  
Department of Community Medicine  
UPUMS, Saitai (Etawah)

## Department of Community Medicine

UPUMS, Saifai, Etawah, U.P.

### Elective module – Research Methodology

Name of Block	Block <del>2</del> <b>1</b>
Name of Elective	Research Methodology
Location	Department of Community Medicine, UPUMS, Saifai, Etawah, U.P.
Name of Internal Preceptor	Dr. Sushil Kumar Shukla
Learning Objectives	<ul style="list-style-type: none"><li>• To formulate the research question.</li><li>• To provide with adequate level of information to plan, conduct and analyze research.</li><li>• To learn the interpretation of the findings.</li><li>• To write up the research paper and contribute to evidence based public health practices</li><li>• To equip with the necessary skills to understand, critically evaluate and interpret the published medical literature.</li></ul>
Number of Students	10
Pre-requisites for elective	Good knowledge of study designs
List of activities of student participation	<ul style="list-style-type: none"><li>• Work with health worker to learn to make observations, collect data and document as per protocol</li><li>• Perform the activity him/herself after learning</li><li>• Write abstract of work done</li></ul>
Learning Resources	Hand-out provided by the department
Portfolio entries required	Notes and required calculations Abstract created
Log book entry required	Satisfactory completion of posting with a "meets expectation '(M)' grade"
Assessment	Attendance: Successful completion of the testing



**Dr. Sushil Kumar Shukla**  
Professor  
Department of Community Medicine  
UPUMS, Saifai, Etawah, (U.P.)

**Department of Community Medicine**  
**UPUMS, Saifai**  
**Elective module – Malnutrition**

Name of Block	Block <del>2-1</del> <b>1</b>
Name of Elective	MALNUTRITION
Location	Department of Community Medicine UPUMS, Saifai, Etawah
Name of Internal Preceptor	Dr Vidya Rani
Learning Objectives	<ul style="list-style-type: none"> <li>• To identify a child suffering from Protein Energy Malnutrition (PEM)</li> <li>• To carry out Anthropometric measurements of child and growth monitoring</li> <li>• To manage the child of PEM at community level</li> </ul>
Number of Students	10
Pre-requisites for elective	Classification of malnutrition, Methods of anthropometric measurements
List of activities of student participation	<ul style="list-style-type: none"> <li>• Work with Health worker and search for child with PEM in the community and document as per protocol</li> <li>• Carry out anthropometric measurements of child</li> <li>• To plot the growth monitoring data on Growth chart and interpret the findings</li> <li>• Perform the intervention for correction of PEM and record the progress of malnutrition status</li> <li>• Write abstract of work done</li> </ul>
Learning Resources	Hand-out provided by the department
Portfolio entries required	Recorded health data notes and required calculations Abstract created
Log book entry required	Satisfactory completion of posting with a “meets expectation ‘(M)’ grade”
Assessment	Attendance Successful completion of the given task

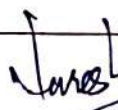
*Vidya*  
 22/3/2023  
 DR. VIDYA RANI  
 Professor

## Elective courses of MBBS

### Block -1

#### Department of Community Medicine, UPUMS, Saifai, Etawah

S. No.	Broad headings of Elective	Detail remarks on elective
1	Name of elective	Student initiated research
2	Location of hospital Lab or Research facility	Community medicine department Medical college building
3	Name of internal preceptor(s)	Dr Naresh Pal Singh
4	Name of external preceptor (if applicable)	None
5	Learning objectives of elective	<ol style="list-style-type: none"> <li>1. Understanding the nature of problem to be studied and identifying the related area of knowledge.</li> <li>2. Develop a research question.</li> <li>3. Formulate aim and objectives for the research</li> <li>4. Reviewing literature to understand how others have approached or dealt with the problem.</li> <li>5. Collecting data in an organized and controlled manner so as to arrive at valid decisions.</li> <li>6. Analyzing data appropriate to the problem.</li> </ol>
6	Number of students that can be accommodated in this elective	5
7	Prerequisites for elective	<ol style="list-style-type: none"> <li>1. Passed community medicine subject.</li> <li>2. Knowledge of working in Microsoft office on computer</li> <li>3. Brief knowledge about epidemiological studies.</li> </ol>
8	Learning resources for students	<ol style="list-style-type: none"> <li>1. Abhaya Indrayan. Clinical research methods, 4<sup>th</sup> edition</li> <li>2. Indranil Saha, Bobby Paul. Essentials of Biostatistics &amp; Research Methodology. 3<sup>rd</sup> edition.</li> </ol>
9	List of activities of student participation	<ol style="list-style-type: none"> <li>1. Work with supervisor in developing research protocol, collect data and do data entry.</li> <li>2. Perform basic data analysis using statistical software.</li> <li>3. Write abstract and present the findings of the research in department.</li> <li>4. Learn the ethics in medical research.</li> </ol>
10	Portfolio entries required	<ol style="list-style-type: none"> <li>1. Questionnaire for data collection</li> <li>2. Excel spreadsheet for data entry</li> <li>3. Research report</li> </ol>
11	Logbook entry required	Satisfactory completion of posting with a 'meet expectation "M" grade'
12	Assessment	<b>Formative</b> <ol style="list-style-type: none"> <li>1. Attendance</li> <li>2. Participation in research activities</li> <li>3. Successful completion of research</li> <li>4. Logbook entry</li> </ol>
13	Other comments	Feedback from students to identify gaps in learning and further improvement

  
 20/3/2023  
 Dr. Naresh Pal Singh  
 Professor (Junior Grade)  
 Dept. of Community Medicine  
 UPUMS, Saifai-Etawah (U.P.)

**DEPARTMENT OF COMMUNITY MEDICINE**  
**UP UNIVERSITY OF MEDICAL SCIENCES SAIFAI ETAWAH**  
**Elective : Growth and Development of an Infant focusing**  
**mainly on 6months – 1year old child.**

1.	Name of Block	Block 1
2.	Name of Elective	Growth and Development of an Infant focusing mainly on 6months – 1year old child.
3.	Location of research facility	Department of Community Medicine, UPUMS Saifai Etawah
4.	Name of internal preceptor(s)	Dr Rashmi Bhujade
5.	Name of external preceptor	-
6.	Learning objectives of elective	<ol style="list-style-type: none"> <li>1. To assess Physical Growth of a child i.e., weight, length, chest circumference, head circumference, standing height, mid upper arm circumference and BMI.</li> <li>2. To assess Gross Motor Development Milestones</li> <li>3. To assess Fine Motor Skills Development</li> <li>4. To assess Social and Adaptive milestones</li> <li>5. To assess Language milestones</li> </ol>
7.	Number of students that can be accommodated in this elective	10
8.	Prerequisites for elective	Good observation, Good Clinical Practice
9.	List of activities of student participation	
	Week 1-2	<ol style="list-style-type: none"> <li>1. Work with Supervisor in making observations of attained milestones of the infant.</li> <li>2. Work with Supervisor in Anthropometric measurements which is to be done correctly, knowing the exact method of doing it.</li> <li>3. Work with Statistician to provide a Statistical analysis of the data.</li> <li>4. Write Abstract of the Work done.</li> <li>5. Present Abstract in an Internal meetings / External meetings as a Poster or Oral presentation.</li> </ol>



10.	Learning Resources	1. Textbook – Ghai / Nelson 2. Clinical book – Meherban Singh and Piyush Gupta
11.	Portfolio entries required	Daily log of activities participated
12.	Log book entry required	Satisfactory completion signed by institutional preceptor
13.	Assessment	Attendance Successful verification of required portfolio entries and completion of the posting as certified in the log book
14.	Other comments	

Rashmi  
22/03/23

**DEPARTMENT OF COMMUNITY MEDICINE**  
**UP UNIVERSITY OF MEDICAL SCIENCES SAIFAI ETAWAH**  
**Elective : Immunisation and vaccination coverage**

1.	<b>Name of Block</b>	Block 1
2.	<b>Name of Elective</b>	Immunisation and vaccination coverage
3.	<b>Location of research facility</b>	Department of Community Medicine, UPUMS Saifai Etawah
4.	<b>Name of internal preceptor(s)</b>	Dr Anamika Chandra
5.	<b>Name of external preceptor</b>	-
6.	<b>Learning objectives of elective</b>	<ol style="list-style-type: none"> <li>1. To provide vaccination covered under National Immunisation Programme</li> <li>2. To learn different techniques i.e., I.M., S.C., I.D. methods.</li> <li>3. To learn cold chain maintenance- shortage &amp; transportation of vaccines.</li> <li>4. To assess the immunisation coverage in the area.</li> </ol>
7.	<b>Number of students that can be accommodated in this elective</b>	10
8.	<b>Prerequisites for elective</b>	Good clinical practice
9.	<b>List of activities of student participation</b>	
	<b>Week 1-4</b>	<ol style="list-style-type: none"> <li>1. Participate in Immunisation OPD at UHTC</li> <li>2. Participate in field sessions &amp; patient education</li> <li>3. Maintain Immunisation Cards &amp; Monthly &amp; Annually Records</li> <li>4. Tackle any adverse side-effects or reaction of vaccines immediately.</li> </ol>
10.	<b>Learning Resources</b>	<ol style="list-style-type: none"> <li>1. Handbook of Immunisation for Medical officers</li> <li>2. Park's Textbook of Preventive &amp; Social Medicine</li> </ol>
11.	<b>Portfolio entries required</b>	Daily log of activities participated Immunisation Cards Immunisation Register

12.	<b>Log book entry required</b>	Satisfactory completion signed by institutional preceptor
13.	<b>Assessment</b>	Attendance Successful verification of required portfolio entries and completion of the posting as certified in the log book
14.	<b>Other comments</b>	

✓ *Ranik*  
22/3/23

**Uttar Pradesh University of Medical Sciences, Saifai, Etawah**  
**Faculty of Medicine**

**Elective Teaching**

Sl	Name of Deptt	Name of Preceptor	Name of Electives	Number of Students
<b>Block - 2</b>				
1	Medicine	Dr. Vijay Kumar Verma	Diabetology	10
		Dr. Manoj Kumar	Emerging Viral Infections	10
2	Surgery	Dr. S.P. Singh Dr. Vipin Gupta Dr. Ram Lakhani Singh Verma	OT Techniques	10
		Dr. Anil Kumar Erry Dr. Rajesh Kumar Dr. Anil Kumar	Emergency Procedures	10
		Dr. Somendra Pal Singh Dr. Poonam Gupta Dr. Shesh Kumar	Benign and malignant breast diseases	10
3	Obst. & Gynae	Dr. Sarika Pandey	To perform basic Gynaecological examination, make interpretation and follow the effect of intervention	4
		Dr. Shalini Singh	Screening for cervical cancer using Papsmear, VIA, VILI and Colposcopy their interpretation with follow up, Comprative study	4
		Dr. Soniya Vishwakarma	To make diagnosis and interpret cervical lesions by Colposcopy finding and directed biopsy with follow up of the patients	4
		Dr. Nupur Mittal	To perform basic Obstetric examination and make diagnosis in OPD	4
		Dr. Pragati Divedi	To evaluate female infertility and observe treatment effect	4
		Dr. Kalpana Kumari Dr. Sarika Pandey	To judicious implementation of induction of labour	4
		Dr. Shalini Singh	Monitoring of Labour by Partogram and CTG in laboring patient	4
		Dr. Nupur Mittal	To assist management of II & III stage of labour	4
		Dr. Soniya Vishwakarma	Cafeteria choice of family planning method	4
		Dr. Pragati Divedi	Management of High risk pregnancy	4
4	Paediatrics	Dr. Durgesh Kumar	Neonatology	10
5	Orthopaedics	Dr. Ankit Mittal	Orthopaedics Surgical wound closure	6
		Dr. Ajay Rajput	Orthopaedics Fracture Immobilisation	6
6	Psychiatry	Dr. Arun Kumar Mishra	Psychiatry	6

*Kadup*  
24/3/2022

*24.3.2022*

DR. SANDIP KUMAR  
O.No Student Cell-Medical  
U.P. University of Medical  
Sciences, Saifai, Etawah

*24/3/2022*  
6  
Dean  
(Faculty of Medicine)  
University of Medical Sciences  
Etawah, U.P. (2061)

**Elective Course of MBBS****Block – 2****Department of MEDICINE**

<b>Block</b>	2
<b>Name of Elective</b>	Diabetology
<b>Location of hospital Lab or research facility</b>	Department of Medicine, OPD & Ward, UPUMS Saifai, Etawah
<b>Name of internal preceptor(s)</b>	Dr. Vijay Kumar Verma
<b>Name of external preceptor (if applicable)</b>	NA
<b>Learning objectives of elective</b>	<ol style="list-style-type: none"><li>1. To provide care for patients with diabetes in a supervised environment.</li><li>2. To function effectively as a team member in a multidisciplinary team managing diabetes.</li><li>3. To counsel patients about diabetes care appropriately.</li><li>4. To describe pathophysiological clinical co-relates as they apply to care of patient with diabetes.</li></ol>
<b>Number of students that can be accommodated in this elective</b>	10
<b>Prerequisites for elective</b>	Must have received necessary immunizations, basic life support training
<b>Learning resources for students</b>	Patient admitted to wards, OPD patient Glucometre, departmental lab, Text books
<b>List of activities of student participation</b>	<ol style="list-style-type: none"><li>1. Participate in OP and IP rounds. Participate in afternoon teaching sessions of department.</li><li>2. Present at least two cases fully worked up</li></ol>
<b>Portfolio entries required</b>	Assignments provided Two worked up cases records
<b>Log book entry required</b>	Satisfactory completion of posting by a perceptor with a meets expectations 'M' grade
<b>Assessment</b>	Attendance Formative: participation in OPDs and IPD rounds presentation of Cases.
<b>Other comments</b>	NA

**Elective Course of MBBS**  
**Block – 2**  
**Department of MEDICINE**

<b>Block</b>	2
<b>Name of Elective</b>	Emerging Viral Infections
<b>Location of hospital Lab or research facility</b>	Department of Medicine, OPD & Ward, UPUMS Saifai, Etawah
<b>Name of internal preceptor(s)</b>	Dr. Manoj Kumar
<b>Name of external preceptor (if applicable)</b>	NA
<b>Learning objectives of elective</b>	<ol style="list-style-type: none"> <li>1. To obtain experience in the laboratory investigations of viral outbreaks.</li> <li>2. To obtain experience in diagnostic testing in viral diseases.</li> <li>3. To describe pathophysiological Co-relates as they apply to the care of patients with viral infections.</li> <li>4. To counsel patients about general care appropriately</li> </ol>
<b>Number of students that can be accommodated in this elective</b>	10
<b>Prerequisites for elective</b>	Universal precautions and good lab practice modules to be completed
<b>Learning resources for students</b>	Patients admitted, Text Books
<b>List of activities of student participation</b>	<ol style="list-style-type: none"> <li>1. Participate in laboratory activity</li> <li>2. Participate in patient care in wards</li> <li>3. Write up work up of patients</li> </ol>
<b>Portfolio entries required</b>	Work- book entry Case presentation
<b>Log book entry required</b>	Satisfactory completion of posting Authenticated by the preceptor
<b>Assessment</b>	Attendance Successful completion of posting as certified in the log book with a "meets expectation" "M" grade
<b>Other comments</b>	NA

**Elective Course of MBBS**  
**Block-2**  
**Department of Gen. Surgery**

<b>Name of Elective</b>	OT Techniques
<b>Location of hospital Lab or research facility</b>	Deptt of Surgery
<b>Name of internal preceptor(s)</b>	Unit-I : Prof. Dr. S P Singh, Prof. Dr Vipin Gupta, Dr. Ram Lakhan Singh Verma
<b>Name of external preceptor (if applicable)</b>	N.A
<b>Learning objectives of elective</b>	<ol style="list-style-type: none"> <li>1) Training in Surgical asepsis (Had washing in OT, Assisting in minor OT) Painting &amp; draping.</li> <li>2) Fixing a drain/Removing a drain</li> <li>3) Insertion of IV canula</li> <li>4) Surgical debridement &amp; dressing of wound</li> <li>5) Basic suturing skills</li> <li>6) Control of superficial haemorrhage</li> <li>7) Digital rectal Examination</li> <li>8) Table to reproduce the technique design.</li> <li>9) Must know the techniques of hand washing hand scrubbing in theatre correctly.</li> </ol>
<b>Number of students that can be accommodated in this elective</b>	<del>Total 17 (5-8 student/unit)</del> <b>10</b>
<b>Prerequisites for elective</b>	Knowledge of universal precaution and Must have necessary immunization
<b>Learning resources for students</b>	Bailey & love Text book of Surgery, Should road S. Das 15 <sup>th</sup> ed. "A manual of Clinical Surgery"
<b>List of activities of student participation</b>	<ol style="list-style-type: none"> <li>1. Provide patient care under supervision</li> <li>2. Assist in minor surgical procedures</li> <li>3. Attend emergency OPD for 2Hrs/day</li> <li>4. Attend OPD</li> <li>5. History writing</li> </ol>
<b>Portfolio entries required</b>	<ol style="list-style-type: none"> <li>1- Daily log of patients seen</li> <li>2- Daily log of activities participated</li> <li>3- 5 indoor fully worked up cases to be documented</li> <li>4- 25 OPD patients to be followed</li> <li>5- 2 Emergency operations to attended and document them</li> </ol>
<b>Log book entry required</b>	Formative and summative
<b>Assessment</b>	<ul style="list-style-type: none"> <li>• Attendance</li> <li>• Successful Verification of required portfolio entries.</li> <li>• Successful completion of the posting as certified in the log book with a meet's expectation M grade.</li> </ul>
<b>Other comments</b>	

  
**Head**  
 Deptt of Gen. surgery  
 J.M.S. Sawai Etawah

**Elective Course of MBBS**  
**Block-2**  
Department of Gen. Surgery

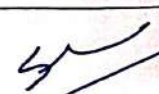
Name of Elective	Emergency Procedures
Location of hospital Lab or research facility	Deptt of Surgery
Name of Internal preceptor(s)	Unit-II: Prof. Dr. Anil Kumar Erry, Dr. Rajesh Kumar, Dr. Anil Kumar
Name of external preceptor (if applicable)	N. A
Learning objectives of elective	<ul style="list-style-type: none"> <li>➤ Training in Surgical asepsis (Emergency OT, Hand washing, Assisting in minor OT) Painting &amp; draping.</li> <li>➤ To draw blood sample for biochemical investigation and ABG</li> <li>➤ Inserting a Ryle's Tube</li> <li>➤ Inserting a foley's catheter/Removing a Foley's catheter</li> <li>➤ Fixing a drain/Removing a drain</li> <li>➤ Insertion of IV canula</li> <li>➤ Blood transfusion</li> <li>➤ Surgical debridement &amp; dressing of wound</li> <li>➤ Basic suturing skills</li> <li>➤ Control of superficial haemorrhage</li> <li>➤ Digital rectal Examination</li> </ul>
Number of students that can be accommodated in this elective	<del>Total 17 (5 - 6 student / unit)</del> <b>10</b>
Prerequisites for elective	Knowledge of universal precaution and Must have necessary immunization
Learning resources for students	Bailey & love Text book of Surgery, Should road S. Das 15 <sup>th</sup> ed. "A manual of Clinical Surgery"
List of activities of student participation	<ol style="list-style-type: none"> <li>1. Provide patient care under supervision</li> <li>2. Assist in minor surgical procedures</li> <li>3. Attend emergency OPD for 2Hrs/day</li> <li>4. Attend OPD</li> <li>5. History writing</li> </ol>
Portfolio entries required	<ol style="list-style-type: none"> <li>1. Daily log of patients seen</li> <li>2. Daily log of activities participated</li> <li>3. 5 indoor fully worked up cases to be documented</li> <li>4. 25 OPD patients to be followed</li> <li>5. 2 Emergency operations to attended and document them</li> </ol>
Log book entry required	Formative and summative
Assessment	<ul style="list-style-type: none"> <li>• Attendance</li> <li>• Successful Verification of required portfolio entries.</li> <li>• Successful completion of the posting as certified in the log book with a meet's expectation M grade.</li> </ul>
Other comments	

*[Signature]*  
 Head  
 Deptt of Gen. Surgery



**Elective Course of MBBS**  
**Block-2**  
**Department of Gen. Surgery**

Name of Elective	Benign and malignant breast diseases
Location of hospital Lab or research facility	Deptt of Surgery
Name of internal preceptor(s)	Unit-III: (Prof. Dr. Somendra Pal Singh, Prof. Dr. Poonam Gupta, Dr. Shesh Kumar)
Name of external preceptor (if applicable)	N. A
Learning objectives of elective	<ol style="list-style-type: none"> <li>1. To be able to take history in a patient with breast disease.</li> <li>2. To learn clinical examination in a patient with breast disease</li> <li>3. To learn relevant investigation to be performed patient with breast disease.</li> <li>4. To learn hand washing and scrubbing in operation theatre.</li> <li>5. Observe and assist in the operation of at least 5 patients with Breast disease.</li> </ol> <p>At the end of 4 weeks a 3<sup>rd</sup> year MBBS student should be able to perform the following –</p> <ul style="list-style-type: none"> <li>* Should be able to diagnose benign breast diseases accunly.</li> <li>* Should be able to differential benign form malignant breast disease</li> <li>* Should be able to enumerate relevant investigation in the workup of patient</li> <li>* S.B.A. to assist various surgery benign breast diseases.</li> <li>* Must know the techniques of hand washing hand scrubbing in theatre correctly.</li> </ul>
Number of students that can be accommodated in this elective	<del>Total 17 (5-6 student/unit)</del> <b>10</b>
Prerequisites for elective	Knowledge of universal precaution and Must have necessary immunization
Learning resources for students	Bailey & love Text book of Surgery, Should road S. Das 15 <sup>th</sup> ed. "A manual of Clinical Surgery"
List of activities of student participation	<ol style="list-style-type: none"> <li>1. Provide patient care under supervision</li> <li>2. Assist in minor surgical procedures</li> <li>3. Attend emergency OPD/OT &amp; ward for 2Hrs/day (as per schedule)</li> <li>4. Attend OPD</li> <li>5. History writing &amp; clinical end..</li> </ol>
Portfolio entries required	<ol style="list-style-type: none"> <li>1. Entry surgery daily log book of patients seen</li> <li>2. Daily log of activities participated</li> <li>3. 5 indoor fully worked up cases to be documented</li> <li>4. 25 OPD patients to be followed</li> <li>5. 2 Emergency operations to attended and document them</li> </ol>
Log book entry required	Formative and summative
Assessment	<ul style="list-style-type: none"> <li>• Attendance</li> <li>• Successful Verification of required portfolio entries.</li> <li>• Successful completion of the posting as certified in the log book with a meet's expectation M grade.</li> </ul>
Other comments	

  
Head  
Dept. of Gen. surgery  
Gairai Flawah

# Elective Course of MBBS

Block- 1 or 2

Elective No.-01

Department of- **Obstetrics & Gynaecology**

Name of Block	Block-2 Elective OBG
Name of Elective	To perform basic Gynaecological examination, make interpretation and follow the effect of intervention.
Location of hospital Lab or research facility	Gynae OPD, Ward; Obstetrics & Gynaecology Department, UPUMS, Saifai, Etawah
Name of internal preceptor (s)	Dr. Sarika Pandey
Name of external preceptor (if applicable)	
Learning objectives of elective	<ol style="list-style-type: none"> <li>1. To take history &amp; do Examination of all Gynae cases in OPD.</li> <li>2. To counsel the patient about her disease</li> <li>3. Making provisional diagnosis and treatment under supervision</li> <li>4. To interpret the results of investigations and use them for treatment.</li> </ol>
Number of students that can be accommodated in this elective	4
Prerequisites for elective	Good clinical practice
Learning resources for students	Dutta's handbook of clinical Gynaecology
List of activities in which the students will participate	<ol style="list-style-type: none"> <li>1. Participate in OPD and IPD rounds</li> <li>2. Participate in afternoon teaching sessions of the department</li> <li>3. Present at least two cases that are fully worked up in the teaching session</li> </ol> <p>Participate in patients education and multidisciplinary team meeting</p>
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	<p>Formative: Attendance day- to-day</p> <p>Participation department activity.</p> <p>Performance of assigned tasks and</p> <p>Presentation of worked up case in department.</p>
Other comments	Nil



**Elective Course of MBBS**

Block- 1 or 2

Elective No.-02

Department of- **Obstetrics & Gynaecology**

Name of Block	Block-2 Elective OBG
Name of Elective	Screening for cervical cancer using Papsmear, VIA, VILI and Colposcopy their interpretation with follow up, Comprative study
Location of hospital Lab or research facility	Cancer Clinic; Obstetrics & Gynaecology Department, UPUMS, Saifai, Etawah
Name of internal preceptor (s)	Dr. Shalini Singh
Name of external preceptor (if applicable)	
Learning objectives of elective	<ol style="list-style-type: none"> <li>1. To provide care to patient with complaints of vaginal discharge.</li> <li>2. To counsel the patient about risk of cervical cancer.</li> <li>3. To know how to take PAPS smear/ VIA/ VILI appropriately.</li> </ol>
Number of students that can be accommodated in this elective	4
Prerequisites for elective	Good clinical practice
Learning resources for students	<ol style="list-style-type: none"> <li>1. Dutta's Textbook of Gynaecology</li> <li>2. Berek &amp; Novak's Gynecology</li> </ol>
List of activities in which the students will participate	<ol style="list-style-type: none"> <li>1. To Participate in OPD and IPD rounds</li> <li>2. To Participate in patients counseling clinically and departmental education activites.</li> <li>3. To follow report and correlate clinically.</li> <li>4. Participate in at least two tests done as case work up.</li> <li>5. Present 2 cases fully worked up in the teaching session.</li> </ol>
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	Formative: Attendance day- to-day Participation department activity. Performance of assigned tasks and Presentation of worked up case in department.
Other comments	Nil

**H. O. D.**  
 Department of OBG & Gynae  
 Nepal Institute of Medical  
 Sciences & Research  
*(Signature)*

## Elective Course of MBBS

Block- 1 or 2

Elective No.-03

Department of- **Obstetrics & Gynaecology**

Name of Block	Block-2 Elective OBG
Name of Elective	To make diagnosis and interpret cervical lesions by Colposcopy finding and directed biopsy with follow up of the patients
Location of hospital Lab or research facility	Cancer detection clinic Obstetrics & Gynaecology Department, UPUMS, Saifai, Etawah
Name of internal preceptor (s)	Dr. Soniya Vishwakarma
Name of external preceptor (if applicable)	
Learning objectives of elective	<ol style="list-style-type: none"> <li>1. To counsel the patient regarding HPV, its vaccination and administer them under supervision.</li> <li>2. To have knowledge of Colposcope and the procedure of colposcopy.</li> <li>3. To help student learn treatment, counseling and follow up of such patients.</li> </ol>
Number of students that can be accommodated in this elective	4
Prerequisites for elective	<ol style="list-style-type: none"> <li>1. Good clinical practice</li> <li>2. The students should be immunized for Hepatitis B</li> </ol>
Learning resources for students	<ol style="list-style-type: none"> <li>1. Dutta's Textbook of Gynaecology</li> </ol>
List of activities in which the students will participate	<ol style="list-style-type: none"> <li>1. To Participate in OPD Examination of patient and counseling of patient for Colposcopy.</li> <li>2. Participate in afternoon teaching sessions of the department</li> <li>3. Present at least two cases that are fully worked up in the teaching session.</li> <li>4. Participate in patient education and multidisciplinary team meeting.</li> </ol>
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	Formative: Attendance day- to-day Participation department activity. Performance of assigned tasks and Presentation of worked up case in department.
Other comments	Nil



# Elective Course of MBBS

Block- 1 or 2

Elective No.-04

Department of- **Obstetrics & Gynaecology**

Name of Block	Block-2 Elective OBG
Name of Elective	To perform basic Obstetric examination and make diagnosis in OPD
Location of hospital Lab or research facility	Antenatal OPD Obstetrics & Gynaecology Department, UPUMS, Saifai, Etawah
Name of internal preceptor (s)	Dr. Nupur Mittal
Name of external preceptor (if applicable)	
Learning objectives of elective	<ol style="list-style-type: none"><li>1. To Provide Obstetrics care to all the patients</li><li>2. To counsel patient about antenatal care appropriately.</li><li>3. To function effectively as team member in a multi discipline team managing OBS cases.</li><li>4. To have knowledge of common problems of pregnancy and their management.</li></ol>
Number of students that can be accommodated in this elective	4
Prerequisites for elective	<ol style="list-style-type: none"><li>1. Good clinical practice</li><li>2. The students should be immunized for Hepatitis B</li></ol>
Learning resources for students	Dutta's Textbook of Gynaecology
List of activities in which the students will participate	<ol style="list-style-type: none"><li>1. Participate in OPD and IPD rounds</li><li>2. Participate in afternoon teaching sessions of the department.</li><li>3. Present at least two cases that are fully worked up in the teaching session.</li><li>4. Participate in patient education and multidisciplinary team meeting.</li></ol>
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	Formative: Attendance day- to-day Participation department activity. Performance of assigned tasks and Presentation of worked up case in department.
Other comments	Nil

*H. O. D.*  
Department of O.B.S. & Gyneo  
Natal Institute of Medical  
Sciences & Research

# Elective Course of MBBS

Block- 1 or 2

Elective No.-05

Department of- **Obstetrics & Gynaecology**

Name of Block	Block-2, Clinical Elective- OBG
Name of Elective	To evaluate female infertility and observe treatment effect
Location of hospital Lab or research facility	Infertility Clinic, Obstetrics & Gynaecology Department, UPUMS, Saifai, Etawah
Name of internal preceptor (s)	Dr. Pragati Divedi
Name of external preceptor (if applicable)	
Learning objectives of elective	<ol style="list-style-type: none"><li>1. To counsel the patient of infertility.</li><li>2. To evaluate and manage the infertility patient by the resources available in the hospital.</li><li>3. To describe the etio-pathology of female infertility.</li></ol>
Number of students that can be accommodated in this elective	4
Prerequisites for elective	<ol style="list-style-type: none"><li>3. Good clinical practice</li><li>4. The students should be immunized for Hepatitis B</li></ol>
Learning resources for students	Speroff's Clinical Gynaecologic Endocrinology
List of activities in which the students will participate	<ol style="list-style-type: none"><li>1. Participate in OPD and IPD rounds</li><li>2. Participate in afternoon teaching sessions of the department.</li><li>3. To participate in specific investigation to infertility. (To carry out at least 2 Tests of patients HSG/ Semen Analysis).</li><li>4. Participate in couple counseling.</li><li>5. Present at least two cases that are fully worked up in the teaching session.</li></ol>
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	Formative: Attendance day- to-day Participation department activity. Performance of assigned tasks and Presentation of worked up case in department.
Other comments	Nil

**H. O. D.**  
Department of OBS. & Gynae  
Institute of Medical  
Sciences & Research

# Elective Course of MBBS

Block- 1 or 2

Elective No.-06

Department of- **Obstetrics & Gynaecology**

Name of Block	Block-2, Clinical Elective- OBG
Name of Elective	The judicious implementation of induction of labour.
Location of hospital Lab or research facility	ANC OPD, Labour room; Obstetrics & Gynaecology Department, UPUMS, Saifai, Etawah
Name of internal preceptor (s)	Dr. Kalpana Kumari/Dr. Sarika Pandey
Name of external preceptor (if applicable)	
Learning objectives of elective	<ol style="list-style-type: none"><li>1. To be able to make diagnosis of the antenatal patient and understand need of induction of labour.</li><li>2. To understand which method of induction is suitable for a particular patient.</li><li>3. To counsel patient about need, risk &amp; complications of that method.</li><li>4. To follow the patient and the outcome of induction.</li></ol>
Number of students that can be accommodated in this elective	4
Prerequisites for elective	Good clinical practice
Learning resources for students	Dutta's Textbook of Gynaecology
List of activities in which the students will participate	<ol style="list-style-type: none"><li>1. Participate in OPD and IPD rounds</li><li>2. Participate in afternoon teaching sessions of the department.</li><li>3. Present at least two cases that are fully worked up in the teaching session</li><li>4. Participate in patient education and multidisciplinary team meeting.</li></ol>
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	Formative: Attendance day- to-day Participation department activity. Performance of assigned tasks and Presentation of worked up case in department.
Other comments	Nil

**H. O. D.**  
Department of **OBG & Gynae**  
Rural Institute of Medical  
Science & Research

# Elective Course of MBBS

Block- 1 or 2

Elective No.-07

Department of- **Obstetrics & Gynaecology**

Name of Block	Block-2, Clinical Elective- OBG
Name of Elective	Monitoring of Labour by Partogram and CTG in laboring patient.
Location of hospital Lab or research facility	IPD, Labour room; Obstetrics & Gynaecology Department, UPUMS, Saifai, Etawah
Name of internal preceptor (s)	Dr. Shalini Singh
Name of external preceptor (if applicable)	
Learning objectives of elective	<ol style="list-style-type: none"> <li>1. To Understand and be able to monitor the laboring patient using partogram.</li> <li>2. To have knowledge, perform and interpret the CTG appropriately.</li> <li>3. To counsel patients and attendants about progress of labour.</li> </ol>
Number of students that can be accommodated in this elective	4
Prerequisites for elective	<ol style="list-style-type: none"> <li>1. Good clinical practice;</li> <li>2. The students should be immunized for Hepatitis B</li> </ol>
Learning resources for students	<ol style="list-style-type: none"> <li>1. Dutta's Textbook of Obstetrics.</li> <li>2. Practical problems in Obstetrics- Ian Donald</li> </ol>
List of activities in which the students will participate	<ol style="list-style-type: none"> <li>1. Participate in OPD and IPD rounds</li> <li>2. Participate in afternoon teaching sessions of the department</li> <li>3. Present at least two cases that are fully worked up in the teaching session.</li> <li>4. Participate in patient education and multidisciplinary team meeting.</li> </ol>
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	Formative: Attendance day- to-day Participation department activity. Performance of assigned tasks and Presentation of worked up case in department.
Other comments	Nil

  
**H.O.D.**  
 Department of Obs. & Gynae  
 K. J. Somaiya Institute of Medical  
 Sciences & Research



# Elective Course of MBBS

## Block- 1 or 2

### Elective No.-08

Department of- **Obstetrics & Gynaecology**

Name of Block	Block-2, Clinical Elective- OBG
Name of Elective	To assist management of II & III stage of labour
Location of hospital Lab or research facility	Labour room; Obstetrics & Gynaecology Department, UPUMS, Saifai, Etawah
Name of internal preceptor (s)	Dr. Nupur Mittal
Name of external preceptor (if applicable)	
Learning objectives of elective	<ol style="list-style-type: none"> <li>1. To provide care to laboring patients in supervised environment</li> <li>2. To assist in Vaginal delivery normal/ instrumental.</li> <li>3. To know and manage activity III stage of labour under supervision.</li> <li>4. To know about III stage complications &amp; their management.</li> </ol>
Number of students that can be accommodated in this elective	4
Prerequisites for elective	<ol style="list-style-type: none"> <li>1. Good clinical practice;</li> <li>2. The students should be immunized for Hepatitis B</li> </ol>
Learning resources for students	
List of activities in which the students will participate	<ol style="list-style-type: none"> <li>1. Participate in labour room rounds</li> <li>2. Participate in afternoon teaching sessions of the department</li> <li>3. Present at least two cases that are fully worked up in the teaching session</li> <li>4. Participate in patient education and multidisciplinary team meeting.</li> </ol>
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	Formative: Attendance day- to-day Participation department activity. Performance of assigned tasks and Presentation of worked up case in department.
Other comments	Nil

  
**H. O. D.**  
 Department of OBS. & Gynae  
 Karol Institute of Medical  
 Sciences & Research

# Elective Course of MBBS

Block- 1 or 2

Elective No.-09

Department of- **Obstetrics & Gynaecology**

Name of Block	Block-2, Clinical Elective- OBG
Name of Elective	Cafeteria choice of family planning method
Location of hospital Lab or research facility	Family planning clinic; Obstetrics & Gynaecology Department, UPUMS, Saifai, Etawah
Name of internal preceptor (s)	Dr. Soniya Vishwakarma
Name of external preceptor (if applicable)	
Learning objectives of elective	<ol style="list-style-type: none"><li>1. To have knowledge of various method of contraception as to age/social/economic factors.</li><li>2. To counsel the patient regarding benefit and risk of every method appropriately</li><li>3. To enable patient to select and implement the method of contraception in supervised environment.</li></ol>
Number of students that can be accommodated in this elective	4
Prerequisites for elective	WHO Booklet Contraception; Fertility Control author Chaudhari
Learning resources for students	
List of activities in which the students will participate	Good clinical practice
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	Formative: Attendance day- to-day Participation department activity. Performance of assigned tasks and Presentation of worked up case in department.
Other comments	Nil

  
**H. O. D.**  
Department of OBS. & Gynae  
Rural Institute of Medical  
Sciences & Research

# Elective Course of MBBS

Block- 1 or 2

Elective No.-10


Department of- **Obstetrics & Gynaecology**

Name of Block	Block-2, Clinical Elective- OBG
Name of Elective	Management of High risk pregnancy
Location of hospital Lab or research facility	High Risk Pregnancy Clinic, Obstetrics & Gynaecology Department, UPUMS, Saifai, Etawah
Name of internal preceptor (s)	Dr. Pragati Divedi
Name of external preceptor (if applicable)	
Learning objectives of elective	<ol style="list-style-type: none"> <li>1. To diagnose the high risk pregnancy patient</li> <li>2. To provide Antenatal care in a supervised environment.</li> <li>3. To counsel patient about the high risk and its consequence.</li> <li>4. Student should be able to manage the patient of th high risk in a supervised environment.</li> </ol>
Number of students that can be accommodated in this elective	4
Prerequisites for elective	Good clinical practice
Learning resources for students	Bed side Obstetrics &Gynaecology, Author Richa Saxena.
List of activities in which the students will participate	<ol style="list-style-type: none"> <li>1. Practice with observer in OPD and IPD rounds</li> <li>2. Participate in IPD, labour room for management of such patient.</li> <li>3. To present at least 2 cases with full workup in teaching session</li> <li>4. To be attend teaching session in the department</li> <li>5. Participate in patient counseling.</li> </ol>
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	Formative: Attendance day- to-day Participation department activity. Performance of assigned tasks and Presentation of worked up case in department.
Other comments	Nil

**H. O. D.**  
 Department of OBS. & Gynae  
 KUMHI Institute of Medical  
 Science & Research

**Elective Course of MBBS**  
**Block – 2**  
**Department of Paediatrics**

Name of Elective	Neonatology
Location of hospital Lab or research facility	NICU/SNCU and Labor Room
Name of internal preceptor(s)	Dr. Durgesh Kumar
Name of external preceptor (if applicable)	N.A.
Learning objectives of elective	<ol style="list-style-type: none"> <li>1. To be able to do neonatal resuscitation.</li> <li>2. To identify the sick neonate.</li> <li>3. To provide primary care to the newborn.</li> <li>4. To functions as a member of a neonatal health care team.</li> <li>5. To demonstrate the common procedures in NICU/SNCU.</li> <li>6. To counsel the mother for breastfeeding.</li> </ol>
Number of students that can be accommodated in this elective	<del>15</del> 10
Prerequisites for elective	Good clinical practice, Knowledge of universal precaution and hand hygiene
Learning resources for students	GHAJ, Essential Pediatrics, Vinod K Paul & Arvind Bagga 9 <sup>th</sup> Edition
List of activities of student participation	<ol style="list-style-type: none"> <li>1. Participate in rounds,</li> <li>2. Participate in afternoon teaching sessions of the department,</li> <li>3. Present atleast 02 cases that are fully worked up in the teaching session.</li> <li>4. Participate in breast feeding counselling session,</li> <li>5. Participate in Neonatal Resuscitation,</li> <li>6. Work daily with junior and senior residents in NICU/SNCU</li> <li>7. Assist in common procedures.</li> </ol>
Portfolio entries required	<ol style="list-style-type: none"> <li>1. Record of atleast 05 cases of neonatal resuscitation.</li> <li>2. Case record of atleast 05 patient.</li> <li>3. Record of breast feeding counselling sessions. (02)</li> <li>4. Daily log of patients seen and activities participated.</li> </ol>
Log book entry required	Satisfactory completion of posting signed by preceptor.
Assessment	Attendance Successful verification of required portfolio entries. Successful completion of the posting as certified in the log book with a "meets expectation 'M' grade"
Other comments	-

  
**Dr. Rajesh Kumar Yadav**  
 Prof. & Head  
 Department of Paediatrics  
 U.P. University of Medical Sciences, e 1 | 1  
 Safai, Etawah


**Elective Course of MBBS Block – 2**  
**Department of ORTHOPAEDICS- ONE**

<b>Name of Elective</b>	<b><u>Orthopaedics Surgical wound closure</u></b>
<b>Location of hospital Lab or research facility</b>	Orthopaedic OT, Second Floor, Old Hospital Building, UPUMS, Saifai
<b>Name of internal preceptor(s)</b>	Dr Ankit Mittal
<b>Name of external preceptor (if applicable)</b>	NONE
<b>Learning objectives of elective</b>	<ul style="list-style-type: none"> <li>• To know the operation theatre etiquettes</li> <li>• To know and do how to get ready for surgical field including hand washing, scrubbing, gloves wearing.</li> <li>• To know and identify different layers of surgical wound</li> <li>• To know and do how to close surgical wound in layers</li> <li>• To know different types of suture materials used in wound closure</li> <li>• To know different methods of skin closure</li> </ul>
<b>Number of students that can be accommodated in this elective</b>	<ul style="list-style-type: none"> <li>• 6</li> </ul>
<b>Prerequisites for elective</b>	<ul style="list-style-type: none"> <li>• Vaccinated HBsAg</li> <li>• Knowledge of OT sterility etiquettes</li> </ul>
<b>Learning resources for students</b>	BASIC SURGICAL SKILLS AND TECHNIQUES SK JAIN
<b>List of activities of student participation</b>	<ul style="list-style-type: none"> <li>• Ortho Muscle layer closure</li> <li>• Surgical Fascia closure</li> <li>• Subcutaneous tissue closure</li> <li>• Surgical Skin closure</li> <li>• Post operating dressing</li> <li>• Patient transportation from OT to Post op ward</li> </ul>
<b>Portfolio entries required</b>	<b>Assignments provided</b> Two worked up case records that have been operated Documentation of self-directed learning as summary and reflection
<b>Log book entry required</b>	Satisfactory completion of posting by a preceptor with a "meets expectation 'M' grade"
<b>Assessment</b>	Attendance- 75% <b>Formative:</b> Participation in OT cases and scrub in rounds and team activities, Presentation of closed up cases, Documentation of attendance and required portfolio and log book entries
<b>Other comments</b>	None

  
  
**Prof. SPS Gill**  
 Professor & Head  
 Dept of Orthopaedics  
 UPUMS, Saifai, UP

**Elective Course of MBBS Block – 2**  
**Department of ORTHOPAEDICS- TWO**

<b>Name of Elective</b>	<b><u>Orthopaedics Fracture Immobilisation</u></b>
<b>Location of hospital Lab or research facility</b>	Orthopaedic Plaster room, Ground Floor, Ortho OPD, Old Hospital Building, UPUMS, Saifai
<b>Name of internal preceptor(s)</b>	Dr Ajay Rajput
<b>Name of external preceptor (if applicable)</b>	NONE
<b>Learning objectives of elective</b>	<ul style="list-style-type: none"> <li>• To know the handle injured limb</li> <li>• To know and do how to do primary fracture reduction and alignment.</li> <li>• To know different type of immobilization methods used</li> <li>• To know and do how to apply plaster of Paris cast for immobilization.</li> <li>• To know and explain the different precautions to be taken by patients after POP application</li> <li>• To know different complications of POP cast and explain these to patients in detail</li> <li>• To know and apply skin and skeleton traction to patients</li> <li>• To know and explain the different precautions to be taken by patients after traction application</li> <li>• To know the complications of traction and explain to patients</li> </ul>
<b>Number of students that can be accommodated in this elective</b>	<ul style="list-style-type: none"> <li>• 6</li> </ul>
<b>Prerequisites for elective</b>	<ul style="list-style-type: none"> <li>• Vaccinated HBsAg</li> <li>• Knowledge of Fracture and immobilization</li> </ul>
<b>Learning resources for students</b>	PRACTICAL FRACTURE TREATMENT McRae
<b>List of activities of student participation</b>	<ul style="list-style-type: none"> <li>• Fracture reduction</li> <li>• Fractures limb handling</li> <li>• Padding before POP application</li> <li>• POP cast preparation</li> <li>• POP cast layer and length estimation</li> <li>• Application of POP cast</li> <li>• Explanation of precautions to be taken and complication of POP cast application to the patient</li> <li>• Application of skin and skeleton traction</li> <li>• Explanation of precautions to be taken and complications of traction to the patient</li> </ul>
<b>Portfolio entries required</b>	<b>Assignments provided</b> Two worked up case records of reduction plaster that have been done Documentation of self-directed learning of all cases as summary and reflection
<b>Log book entry required</b>	Satisfactory completion of posting by a preceptor with a "meets expectation 'M' grade"
<b>Assessment</b>	Attendance- 75% <b>Formative:</b> Participation in OT cases and scrub in rounds and team activities, Presentation of closed up cases, Documentation of attendance and required portfolio and log book entries
<b>Other comments</b>	None

  
**Prof. SPS Gill**  
 Professor & Head  
 Dept of Orthopaedics  
 UPUMS, Saifai, UP  
 Page 2 | 2

**Elective Course of MBBS**  
**Block – 2**  
**Department of PSYCHIATRY**

<b>Block</b>	2
<b>Name of Elective</b>	Psychiatry
<b>Location of hospital Lab or research facility</b>	Medical College Hospital (Old Building Complex)
<b>Name of internal preceptor(s)</b>	Dr. Arun Kumar Mishra
<b>Name of external preceptor (if applicable)</b>	NA
<b>Learning objectives of elective</b>	<ol style="list-style-type: none"> <li>1. Classification of Psychiatric disorders</li> <li>2. To provide care for patients with psychiatric disorder in a supervised environment</li> <li>3. History taking and mental status examination in patients with Psychiatric disorders.</li> <li>4. Clinical presentation of common Psychiatric disorders.</li> <li>5. Management of common Psychiatric disorders</li> <li>6. Counselling for Psychiatric disorders.</li> </ol>
<b>Number of students that can be accommodated in this elective</b>	6
<b>Prerequisites for elective</b>	Basic history taking & examination technique
<b>Learning resources for students</b>	Niraj Ahuja – Short textbook for Psychiatry
<b>List of activities of student participation</b>	<ol style="list-style-type: none"> <li>1. Participate in OPD</li> <li>2. Participate in IPD rounds</li> <li>3. Case presentation</li> <li>4. Psycho education</li> </ol>
<b>Portfolio entries required</b>	Assignments provided Two worked up case records that have been presented
<b>Log book entry required</b>	Satisfactory completion of posting with remark "Meets expectation" 'M' grade
<b>Assessment</b>	Attendance, Participation in OPD & IPD round, presentation of worked up cases, Documentation of required portfolio and logbook entries.
<b>Other comments</b>	NA